

CLAIMS

1 1. A mobile radio system comprising a plurality of mobile stations linked to a
2 radio network controller, a first network comprising a plain switched telephone network
3 and/or an integrated services digital network, a second network comprising a public
4 internet system, a first real time media gateway providing access to and from the first
5 network, a second real time media gateway providing access to and from the second
6 network, and a third general packet radio system (GPRS) specific gateway providing
7 access to and from the second network, an internet protocol connection system which
8 responds to the address in the headers of the data stream flowing between the radio
9 network controller and its destination to direct the data stream to its destination through a
10 one of said first, second and third gateways, selected in accordance with the nature of the
11 data in the data stream whereby real time data is directed through either said first or said
12 second gateway without passing through said third gateway.

1 2. A system according to Claim 1, wherein said first gateway is a time division
2 multiplexing to real time transport protocol media gateway.

1 3. A system according to Claim 1, wherein said second gateway is real time
2 transport protocol to real time transport protocol media gateway.

1 4. A system according to Claim 1, wherein the first and second gateways
2 comprise a common gateway.

1 5. A system according to Claim 1, wherein the third gateway is a gateway GPRS
2 support node (GGSN).

1 6. A system according to Claim 1, wherein the internet protocol network
2 comprises a public land mobile telephone network internet protocol core network.

1 7. A system according to Claim 1, wherein the path from the radio
2 network controller to the third gateway involves a serving GPRS service node (SGSN).

1 8. A system according to Claim 7, comprising a media gateway controller for
2 controlling said first, second and third gateways and said SGSN.

1 9. A system according to Claim 1, including a call control server for controlling
2 calls between said third gate and said second network.